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Application/Control No.

10/758,570 Examiner

Paul Contino

Applicant(s)/Patent under Reexamination

LEE ET AL.

Art Unit

2114

| <b>√</b> | Rejected |
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| 11       | Allowed  |

- (Through numeral)
Cancelled
+ Restricted

Non-Elected

I Interference

| A | Appeal   |
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| 0 | Objected |

| Claim  |          |          |              |          |          |              |              | _  |              |          |           |          |          |         |           |                 |          |          |          |          |          |        |     |       |          |                     |  |          |          |   |          |           |          |   |
|--|----------|----------|--------------|----------|----------|--------------|--------------|--|--------------|----------|-----------|----------|----------|---------|-----------|-----------------|----------|----------|----------|----------|----------|--------|-----|-------|----------|---------------------|--|----------|----------|---|----------|-----------|----------|---|
| 1  | Cla      | aim      | Date         |          |          |              |              |  | Claim Date   |          |           |          |          |         |           | ļ               | Cla      | aim      | Date     |          |          |        |     |       |          |                     |  |          |          |   |          |           |          |   |
| 2  | Finat    | Original | 7/24/06      | 11/13/06 |          |              |              |  |              |          |           | Final    | Original |         |           |                 |          |          |          |          |          |        |     | Final | Original |                     |  |          |          |   |          |           |          |   |
| 2  |          | 1        | 1            | =        | Г        |              |              |  | Г            |          | П         |          | 51       | $\top$  | Т         |                 |          | -        |          |          |          |        | ı   |       | 101      | $\neg$              | 寸  | ᄀ        |          |   |          | $\neg$    | 一        |   |
| 3   V   =  |          |          | 1            | =        |          |              |              |  | Г            |          |           |          |          | $\top$  | $\vdash$  |                 |          |          |          |          |          | П      | ı   |       |          |                     | $\neg$   |          |          |   |          | ·         | $\neg$   |   |
| A   V   S   S   S   S   S   S   S   S   S  |          |          | √            | =        |          |              |              |  |              |          |           |          |          | $\top$  |           |                 |          |          |          |          |          |        | 1   |       |          | $\neg$              | $\neg$   |          |          |   |          | $\neg$    | $\neg$   | _ |
| 6  |          | 4        | √            | =        |          |              |              | Π  |              |          |           |          |          | 1       |           |                 |          |          |          |          |          |        |     |       |          |                     | $\exists$  |          |          |   |          |           | コ        |   |
| 7  |          | 5        | 1            | =        |          | Г            |              | Г  |              | Г        |           |          | 55       | 1       | Т         |                 |          |          |          |          |          |        |     |       | 105      |                     |  |          |          |   |          |           | $\neg$   |   |
| B  |          | 6        | 1            | =        |          | Г            |              | T  | Г            |          |           |          | 56       | 1       | 1         |                 |          |          | $\neg$   |          |          |        |     |       | 106      |                     | $\neg$   |          |          |   |          |           | $\neg$   | _ |
| 100  |          | 7        | √            |          |          |              |              |  |              |          |           |          | 57       | $T^{T}$ | П         |                 |          |          |          |          |          |        |     |       | 107      |                     | T  |          |          |   |          |           |          |   |
| 110  |          | 8        |              | 1        |          |              |              |  |              |          |           |          |          |         |           |                 |          |          |          |          |          |        |     |       |          |                     |  |          |          |   |          |           |          |   |
| 111  |          |          |              |          |          |              |              |  |              |          |           |          |          |         |           |                 |          |          |          |          |          |        | [   |       |          |                     |  |          |          |   |          |           |          |   |
| 112   0  | <u></u>  |          | _            | _        |          |              |              |  | L            |          | Ш         |          |          | ┸       | L         | Ш               |          |          | _        |          |          | Ш      |     |       |          |                     |  |          |          |   |          | _         |          |   |
| 13   | <u></u>  |          | _            | _        | <u> </u> | <u> </u>     |              |  | L            |          |           | <u> </u> |          |         | 上         |                 |          |          | _        |          |          | Ш      | ļ   |       | 111      |                     | _  |          |          | _ |          | $\dashv$  | $\dashv$ |   |
| 14   |          |          |              |          | _        | _            |              | 乚  | L            |          | Ш         |          |          | ↓_      | ↓_        |                 |          |          | _        |          |          |        | ļ   |       |          |                     | 4  | _        |          |   |          | _         | _        |   |
| 115  | <u> </u> |          |              |          |          | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>     | _        | Ш         | <u> </u> |          | ╄-      | <u> </u>  | $\square$       | _        | $\Box$   |          | _        |          | Ш      | ļ   |       |          |                     | 4  |          |          | _ |          | _         | _        | _ |
| 16   | <u></u>  |          |              | =        | <u> </u> | <u> </u>     | ļ            | _  | _            |          |           |          |          | +-      | _         |                 |          |          | _        |          | _        | Ш      |     |       |          | $\Box$              | 4  | _        |          |   |          |           | _        | _ |
| 17   |          |          | _            |          | <u> </u> | ┡            |              | L  | Ь            | _        | Н         | $\vdash$ |          | ╀       | ⊢         | Ш               |          |          | $\dashv$ |          | _        | Н      | I   |       |          | $\vdash$            | -  | $\dashv$ | _        |   |          | -         | _        | _ |
| 18   | <u> </u> |          |              |          | <u> </u> | <u> </u>     | -            | ├-   | <u> </u>     |          | $\dashv$  | $\vdash$ |          | +-      | -         | Н               |          |          |          |          |          | Н      | ŀ   |       |          |                     | $\dashv$   | -        | _        |   |          | $\dashv$  | $\dashv$ | _ |
| 19   | -        |          |              |          |          | <del> </del> | ┝            | ┝  | ⊢            |          | Н         | -        |          | ╁       | -         | $\vdash$        |          |          | -        | -        | _        | -      | ŀ   |       |          | $\vdash$            | +  | _        |          |   |          | -         |          |   |
| 120  |          |          | -            |          | -        | -            | -            | -  | ├            | _        | Н         | -        |          | ╁       | $\vdash$  | $\vdash$        | _        |          | -        |          |          | Н      | ŀ   |       |          | -                   | -  | -        |          |   | -        |           | $\dashv$ | _ |
| 121  | -        |          |              |          | $\vdash$ | $\vdash$     | -            | ⊢  | ⊢            | H        | Н         | -        |          | +       | $\vdash$  | Н               |          |          | -        |          |          | Н      | ŀ   |       |          | +                   | -  | -        |          |   |          | -         |          |   |
| T2   | -        |          | _            |          | ├        | -            | ⊢            | ├-   | ├            | -        | Н         | -        |          | ╁       | ┼         | Н               | _        |          | $\dashv$ | $\vdash$ | $\dashv$ | Н      | ŀ   |       |          | $\vdash$            | -  | $\dashv$ |          | _ |          | $\dashv$  | $\dashv$ |   |
| Table   Tabl | $\vdash$ |          | _            |          | ⊢        | ┝            | ┢            | ⊢  | ┢            |          | Н         | $\vdash$ |          | ╁       | ┢         | Н               |          | _        | $\dashv$ |          |          | Н      | ŀ   |       |          | $\dashv$            | $\dashv$   | -        |          |   |          |           | $\dashv$ |   |
| T4   | $\vdash$ |          |              | _        | ┢        | ┢            | ┢            | $\vdash$   | ┢            |          | $\vdash$  | $\vdash$ |          | ╁╌      | ╁         | Н               |          | _        | $\dashv$ | $\vdash$ | =        | Н      | ŀ   |       |          | $\vdash$            | ┪  | $\dashv$ |          |   |          | -         | ᅱ        | ; |
| 75   | -        |          | _            |          | H        | ┢            | ┢            | H  | $\vdash$     |          | $\vdash$  | $\vdash$ |          | +       | $\vdash$  | H               |          | _        | $\dashv$ |          | $\equiv$ | Н      | ŀ   |       |          | $\vdash$            | ┪  | $\neg$   | _        | _ |          | $\neg$    | ᅱ        | _ |
| Tell    | $\vdash$ |          | —            |          | $\vdash$ | $\vdash$     |              |  | $\vdash$     |          | Н         | $\vdash$ |          | +       | $\vdash$  | Н               |          |          | $\dashv$ |          | $\dashv$ | Н      | ŀ   |       |          | -                   | $\dashv$   | $\dashv$ |          | _ | $\vdash$ |           | $\dashv$ | _ |
| 27       V       V         28       128         29       129         30       80         31       81         32       83         33       83         34       84         35       86         36       85         37       86         87       137         88       138         39       139         40       91         41       91         42       92         43       94         44       95         46       96         47       98         48       99         144       144         45       96         46       97         48       99         148       99         148       99  | $\vdash$ |          | _            | _        | $\vdash$ | H            | $\vdash$     |  | $\vdash$     |          | $\vdash$  |          |          | +       | $\dagger$ | Н               |          |          | _        |          | $\dashv$ | Н      | ŀ   |       |          | $\top$              | 7  | $\neg$   | _        |   |          |           | ᅥ        |   |
| 28       78       128         29       30       129         30       80       130         31       81       131         32       83       132         33       84       134         35       85       135         36       86       136         37       87       137         38       88       136         39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       96       146         46       96       146         47       97       147         48       99       149  | -        |          | -            |          | $\vdash$ | $\vdash$     | $\vdash$     | ┢  | H            |          | $\vdash$  |          |          | +       |           | Н               |          |          | $\neg$   |          | $\neg$   | Н      | ı   |       |          | $\vdash$            | 十  | $\neg$   | _        | _ |          | $\neg$    | ᅥ        | _ |
| 29     79       30     80       31     81       32     82       33     83       34     84       35     85       36     86       37     88       39     89       40     90       41     91       42     92       43     93       44     94       45     96       46     97       48     98       148     99       144     144       48     98       148     149   | -        |          | H            | Ė        | $\vdash$ | H            | $\vdash$     | <del>                                     </del> | $\vdash$     |          | $\neg$    | <u> </u> |          | 1       | $\vdash$  | Н               |          |          | _        |          | -        | Н      | İ   |       |          | $\vdash$            | 7  | _        |          |   |          | $\neg$    | ヿ        | _ |
| 30       80       130       131         31       81       131       131         32       83       132       132         33       84       134       134         35       85       135       135         36       86       136       137         37       88       137       137         38       88       139       139         40       90       140       141         41       91       140       141         42       93       143       142         43       94       144       145         46       96       146       146         47       98       148       149  |          |          |              |          | -        |              |              |  |              |          | П         |          |          | +       |           |                 |          |          |          |          | •        | Н      | ı   |       |          | $\vdash$            | 7  |          |          |   |          | $\neg$    | ᅥ        | _ |
| 31     81       32     131       33     132       34     134       35     84       36     135       36     86       37     137       38     88       39     88       40     90       41     91       42     92       43     94       44     95       46     96       46     97       48     98       49     99       147     148       49     99   |          |          |              |          | $\vdash$ |              |              | Т  | Г            |          |           |          |          | †       | $\vdash$  |                 |          |          |          |          |          | П      | ı   |       |          |                     | 寸  |          |          |   | $\neg$   | $\exists$ | ヿ        | _ |
| 32       82       132       133         33       83       133       134         35       85       85       135       136         36       86       136       137       137       137         38       87       88       138       138       138       137       137       137       138       138       138       139       140       140       140       140       140       141       141       141       142       142       142       142       143       144       144       144       144       144       144       144       144       144       144       144       144       144       145       146       147       147       148       148       148       149  |          |          | 1            |          |          |              |              | Τ  | Т            |          | П         |          |          | 1-      |           | П               |          |          | $\neg$   |          |          | П      | ı   |       |          | $\Box$              | $\dashv$   |          |          |   | $\neg$   |           | $\neg$   | _ |
| 33       34       35       36       35       36       37       38       37       38       39 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>Г</td><td>П</td><td></td><td></td><td></td><td></td><td></td><td></td><td>ı</td><td></td><td></td><td><math>\neg</math></td><td><math>\neg</math></td><td></td><td></td><td></td><td></td><td><math>\neg</math></td><td>コ</td><td>_</td></td<>   |          |          |              |          |          |              |              |  |              |          |           |          |          | 1       | Г         | П               |          |          |          |          |          |        | ı   |       |          | $\neg$              | $\neg$   |          |          |   |          | $\neg$    | コ        | _ |
| 35       36       37       38       37       38       39       38       39 <td< td=""><td></td><td>33</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>83</td><td>T</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>133</td><td></td><td><math>\Box</math></td><td></td><td></td><td></td><td></td><td></td><td><math>\neg</math></td><td></td></td<>  |          | 33       |              |          |          |              |              |  |              |          |           |          | 83       | T       |           |                 |          |          |          |          |          |        |     |       | 133      |                     | $\Box$   |          |          |   |          |           | $\neg$   |   |
| 36       37       136       137       137       137       138       138       138       138       138       139       139       139       139       140       140       140       140       140       141       141       141       141       141       141       141       141       142       142       142       142       142       143       144       144       144       144       144       145       145       146       147       147       148       148       148       148       149  |          |          | $\Box$       |          |          |              |              | 匚  |              |          |           |          |          |         |           |                 |          |          |          |          |          |        |     |       |          |                     |  |          |          |   |          |           |          |   |
| 37       87       137         38       88       138         39       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       99       149  |          |          |              |          |          |              |              | $\Box$   | 匚            |          |           |          |          | L       |           | $\Box$          |          |          |          |          |          |        |     |       |          |                     | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |          |          |   |          | $\Box$    | $\Box$   |   |
| 38       88       138         39       90       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |          |          |              |          |          |              |              |  |              |          |           |          |          |         | 匚         |                 |          |          |          |          |          |        |     |       |          |                     | I  |          |          |   |          | $\Box$    |          |   |
| 39       89       139         40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  | L        |          | _            |          | _        | _            |              | _  | $oxed{oxed}$ |          |           |          |          |         | L         |                 |          |          |          |          |          |        |     |       |          |                     |  | _]       |          |   |          | $\Box$    |          |   |
| 40       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |          |          | <u> </u>     | <u> </u> | _        | <u> </u>     | <u>_</u>     |  | <u> </u>     |          | Щ         |          |          | _       | <u> </u>  |                 |          |          |          |          |          | Щ      | - [ |       |          | $\sqcup$            | $\downarrow$   | _        |          |   |          |           |          |   |
| 41       91       141       142       142       142       142       142       143       144       143       143       144       144       144       144       144       144       145       145       145       146       146       147       147       147       147       148       148       148       148       149       144  | <u></u>  |          | $\vdash$     | <u> </u> | <u> </u> | Ш            | L            | <u> </u>   | <u> </u>     | _        | $\square$ | <u> </u> |          | 4       | ↓_        | Ш               | Щ        | Щ        | _        |          |          | Щ      |     |       |          | $\sqcup \bot$       | $\downarrow$   | _        |          |   |          |           | _        | _ |
| 42     92       43     93       44     94       45     95       46     96       47     97       48     98       49     142       143     144       145     145       146     147       147     147       148     98       148     148       149     149  | <u></u>  |          | <u> </u>     | _        | _        | $\vdash$     | $\vdash$     | _  | <b> </b>     | Ш        | Щ         | <u> </u> |          | 4       | ↓_        | $\sqcup$        | _        | Ш        |          |          | _        | Щ      | ļ   |       |          | $\sqcup$            | 4  | _        | _        | _ |          | _         | _        |   |
| 43     93       44     94       45     95       46     96       47     97       48     98       49     148       49     99   | <u> </u> | _        | <u> </u>     | $\vdash$ | <u> </u> | <u> </u>     | <u> </u>     | <b>—</b>   | <b></b>      | $\vdash$ | $\square$ | -        |          | +       | ⊢         | Ш               | _        | Ш        | _        | $\Box$   |          | Щ      | ļ   |       |          | $\sqcup \downarrow$ | 4  | _        | _        |   | $\sqcup$ |           | _        |   |
| 44     94       45     95       46     96       47     97       48     98       49     144       41     145       146     146       147     147       148     148       148     149  |          |          | -            | <u> </u> | <u> </u> | <u> </u>     | <u> </u>     | <b>—</b>   | <b>_</b>     | Н        | $\square$ | _        |          |         | ⊢         | Н               | _        | $\vdash$ | $\dashv$ | $\dashv$ |          | Щ      | }   |       |          | $\vdash$            | -  | _        |          |   | _        |           | _        |   |
| 45     95       46     145       47     96       48     97       48     98       49     148  | ļ        |          | <del> </del> | $\vdash$ | <u> </u> | $\vdash$     | $\vdash$     | <del> </del>                                     | <b>—</b>     | Н        | Н         | _        |          |         | ⊢         | $\vdash\vdash$  | _        |          |          |          | _        | $\Box$ | - } |       |          | $\vdash$            | +  |          |          |   |          |           | 4        |   |
| 46     96       47     97       48     98       49     148   | <u> </u> |          | ⊢            | $\vdash$ | <u> </u> | <u> </u>     | $\vdash$     | <del> </del>                                     | -            | $\vdash$ | $\vdash$  | _        | 94       | +       | ⊢         | Н               | -        | Н        | -        | -        | -        | H      | ١   |       | 144      | $\vdash$            | $\dashv$   |          |          |   | -        | -         | $\dashv$ |   |
| 47   |          |          | $\vdash$     | $\vdash$ | -        | $\vdash$     | ⊢            | ├-   | -            | $\vdash$ | H         | $\vdash$ |          |         | $\vdash$  | $\vdash$        | _        | $\vdash$ |          |          |          | Н      | ŀ   |       | 145      | $\vdash$            | $\dashv$   | -        |          |   | $\dashv$ | $\dashv$  | $\dashv$ | _ |
| 48   | -        |          | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     | ┢            | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$  | $\vdash$ |          |         | $\vdash$  | $\vdash$        |          |          | $\dashv$ | -        | $\dashv$ | H      |     |       |          | $\vdash$            | $\dashv$   | $\dashv$ |          | - |          |           | $\dashv$ | _ |
| 49 99 149 149  | <u> </u> |          | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     |  | $\vdash$     | Н        | H         | -        |          |         | ├         | $\vdash \vdash$ | $\vdash$ |          | $\dashv$ |          |          | H      | -   |       |          | $\vdash +$          | +  | $\dashv$ | $\dashv$ | - | $\dashv$ | $\dashv$  |          | — |
|  |          |          | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$   |              | Н        | H         |          |          |         | ┼         | $\vdash$        |          |          |          |          |          | H      | ŀ   |       |          | $\vdash \vdash$     | $\dashv$   | $\dashv$ | -        | - | $\vdash$ | $\dashv$  | $\dashv$ |   |
|  | -        |          |              | $\vdash$ | -        | -            | <del> </del> | -  | -            | H        | H         | $\vdash$ |          |         | $\vdash$  | $\vdash$        | Н        | $\vdash$ | $\dashv$ | $\dashv$ |          | H      |     |       |          | $\vdash \vdash$     | $\dashv$   | $\dashv$ |          | - | $\dashv$ |           | $\dashv$ |   |